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(54) TREATING AGENT FOR MENTAL DISEASE
 SYMPTOM CONSISTING OF PTERIN DERIVATIVE

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(57) Abstract:

PURPOSE: To obtain a safe treating agent for mental disease such as depression containing a pterin derivative as a main ingredient and participated by intracerebral tetrahydrobiopterin.

CONSTITUTION: The objective treating agent containing a pterin derivative expressed by formula I [R^1 and R^2 are H or R^1 and R^2 form a single bond together; When R^1 and R^2 are H, R^3 is CH_3 , L-erythro- $CH(OH)CH(OH)CH_3$, etc.; when R^1 and R^3 form a single bond, R^3 is $COCH(OH)CH_3$] as a main ingredient. The compound expressed by formula I includes L-erythro-5,6,7,8-tetrahydrobiopterin expressed by formula II, L-cepiapterin expressed by formula III, 1',2'-diacetyl-5,6,7,8-tetrahydrobiopterin expressed by formula IV. The objective treating agent containing the compound expressed by formula I as a main ingredient is useful for each symptom observed in depression, e.g. lack of inhibition, apathy, spontaneity.

